

~~WHAT IS CLAIMED IS:~~

1. A semiconductor apparatus comprising a semiconductor device, an electrically insulating layer having an inclined portion and formed on said semiconductor device by printing an electrically insulating material by use of a mask, an external connection terminal formed on said electrically insulating layer, and wiring formed on said electrically insulating layer for electrically connecting said external connection terminal with a circuit electrode of said semiconductor device.
2. A semiconductor apparatus according to Claim 1, wherein said electrically insulating layer has particles.
3. A semiconductor apparatus comprising a semiconductor device; an electrically insulating layer containing particles, having an inclined portion and formed on said semiconductor device; an external connection terminal formed on said electrically insulating layer; and wiring formed on said electrically insulating layer for electrically connecting said external connection terminal with a circuit electrode of said semiconductor device.
4. A semiconductor apparatus according to Claim 2 or 3, wherein said particles are made of the same material as said electrically insulating material of said electrically insulating layer.
5. A semiconductor apparatus according to Claim

300°C to 450°C.

17. A semiconductor apparatus according to Claim 1 or 3, wherein said electrically insulating layer has characteristic which varies in accordance with a direction of thickness thereof so that the characteristic of said electrically insulating layer at a semiconductor device side is near characteristic of said semiconductor device and the characteristic of an external connection terminal-side portion of said electrically insulating layer is near the characteristic of a substrate on which said semiconductor device is mounted.

19. A method for producing a semiconductor apparatus comprising a step of forming an electrically insulating layer on a wafer by printing by use of a

22. A method for producing a semiconductor apparatus according to any one of Claims 19 through 21, wherein said electrically insulating layer contains particles.

23. A method for producing a semiconductor apparatus according to any one of Claims 19 through 21, wherein said electrically insulating layer is formed by repeating printing by a plurality of times by use of said mask.

24. A method for producing a semiconductor apparatus according to any one of Claims 19 through 21, wherein said first step of forming said electrically insulating layer by printing is performed in a manner so that a squeegee is moved over an opening portion of said mask from a vertex to an opposite vertex.

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R₁*
*Added
B₁*

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